



corresponding to a reference modulation, and  $N_i$  is the number of information bits in the  $i$ -th block received correctly.

7. The method claimed in claim 5 wherein said reference modulation is a modulation of lower spectral efficiency.
8. The method claimed in claim 3 wherein the blocks transmitted, or radio blocks, can include one or more blocks, or data blocks, depending on the modulation scheme used, and the ratio between said net bit rate and said gross bit rate is obtained by calculation using the equation:

$$\frac{R_{net}}{R_0} = \frac{\sum_{i=0}^{NB\_RECEIVED-1} \frac{N_i}{n_i}}{\sum_{i=0}^{NB\_SENT-1} \frac{N_i^{(c)}}{n_i'}}$$

in which NB\_SENT is the number of data blocks transmitted during a given period, NB\_RECEIVED is the number of corresponding data blocks received correctly,  $N_i^{(c)}$  is the number of bits in the radio block including the  $i$ -th block of data transmitted,  $N_i$  is the number of information bits in the radio block including the  $i$ -th block of data received, and  $n_i$  (respectively  $n_i'$ ) is equal to the number of data blocks in the radio block containing the  $i$ -th block of data received (respectively transmitted).

9. The method claimed in claim 3 wherein said blocks transmitted, or radio blocks, can include one or more blocks, or data blocks, depending on the modulation scheme used, and the ratio between said net bit rate and said gross bit rate is obtained by calculation using the equation:

$$\frac{R_{net}}{R_0} = \frac{\sum_{i=0}^{NB\_RECEIVED-1} \frac{N_i}{n_i}}{\sum_{i=0}^{NB\_SENT-1} \frac{N_i^{(c)}}{n_i'}}$$

in which NB\_SENT is the number of data blocks transmitted during a given period, NB\_RECEIVED is the number of corresponding data blocks received correctly,  $N_i^{(c)}$  is the number of bits in a radio block for a given modulation scheme corresponding to a reference modulation,  $N_i$  is the number of information bits in the radio block including the  $i$ -th data block received, and  $n_i$  (respectively  $n_i'$ ) is equal to the number of data blocks in the radio block containing the  $i$ -th data block received (respectively transmitted).

10. The method claimed in claim 3 wherein the blocks transmitted, or radio blocks, can include one or more blocks, or data blocks, depending on the modulation

scheme used, and the ratio between said net bit rate and said gross bit rate is obtained by calculation using the equation:

$$\frac{R_{net}}{R_0} = \frac{\sum_{i=0}^{NB\_RECEIVED-1} \frac{\rho_i}{n_i}}{\sum_{i=0}^{NB\_SENT-1} \frac{1}{n_i}},$$

in which NB\_SENT is the number of data blocks transmitted during a given period, NB\_RECEIVED is the number of corresponding data blocks received correctly,  $N^{(c)}$  is the number of bits in a radio block for a given modulation scheme corresponding to a reference modulation,  $N_i$  is the number of information bits in the radio block including the i-th data block received,  $n_i$  (respectively  $n'_i$ ) is equal to the number of data blocks in the radio block containing the i-th data block received (respectively transmitted), and  $\rho_i$  is equal to  $N_i/N^{(c)}$ .

11. A mobile radiocommunication system for implementing the method claimed in claim 1 and adapted to evaluate the quality of a radio link from the net bit rate transmitted on said link.
12. The system claimed in claim 11 wherein said link is an uplink.
13. The system claimed in claim 11 wherein said link is a downlink.
14. A mobile radiocommunication network entity for implementing the method claimed in claim 1 and adapted to evaluate the quality of a radio link from the net bit rate transmitted on said link.
15. The entity claimed in claim 14 wherein said link is an uplink.
16. The entity claimed in claim 14 wherein said link is a downlink.
17. A mobile station for implementing the method claimed in claim 1 and adapted to evaluate the quality of a radio link from the net bit rate transmitted on said link.
18. The mobile station claimed in claim 17 wherein said link is a downlink.
19. The mobile station claimed in claim 17 wherein said link is an uplink.